

Serial No. 09/772,038

Reply to Office Action of January 13, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A method for dynamically publishing a document in response to a request comprising the steps:
  - receiving a request for at least one element of content;
  - identifying at least one client capability attribute associated with the request, wherein the at least one client capability includes
    - whether the client is a network appliance, a dial-up connected device or a high speed networked device,
    - an amount of bandwidth available to the client, or
    - a set of physical properties associated with an output device associated with the client;
  - selecting an XSL stylesheet based on the at least one client capability;
  - selecting a requested XML document based on the request;
  - merging the XML document and the selected XSL stylesheet to generate the document; and
  - transmitting the document.
2. (Previously Presented) The method of claim 1, wherein the request for at least one element of content comprises a request for a web page.
3. (Previously Presented) The method of claim 1, wherein the request for at least one element of content comprises a request for a dynamically generated web page.

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4. (Previously Presented) The method of claim 1 comprising the further step:

    caching the requested document as a cached document, the selected XSL stylesheet as a cached XSL stylesheet and the requested XML document as a cached XML document.

5. (Previously Presented) The method of claim 4 comprising the further step:

    selectively transmitting the cached document when a subsequently selected XSL stylesheet corresponds to the cached XSL stylesheet and a subsequently requested XML document corresponds to the cached XML document.

6. (Previously Presented) The method of claim 5 comprising the further step:

    selectively selecting the cached XSL stylesheet if the cached XSL stylesheet corresponds to the subsequently selected XSL stylesheet.

7. (Previously Presented) The method of claim 5 comprising the further step:

    selectively selecting the cached XML document if the cached XML document corresponds to the subsequently requested XML document.

8. (Previously Presented) The method of claim 7 comprising the further step:

    selectively selecting the cached XSL stylesheet if the cached XSL stylesheet corresponds to the subsequently selected XSL stylesheet.

9. (Previously Presented) The method of claim 1, wherein the document is an XHTML document.

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10. (Previously Presented) A publishing system for dynamically publishing a document comprising:

a styles sheet chooser that selects a stylesheet based on at least one capability associated with a requesting client, wherein the at least one capability associated with a requesting client includes

whether the client is a network appliance, a dial-up connected device or a high-speed networked device,

an amount of bandwidth available to the client, or

a set of physical properties associated with an output device associated with the client;

a content agent that provides at least one element of content to a processor based on a received request;

a processor that accepts and merges the provided stylesheet and the provided content into the document; and

a transmission agent for transmitting the document to the requesting client.

11. (Previously Presented) The publishing system of claim 10, wherein the content agent selects a predetermined set of content from a database.

12. (Previously Presented) The publishing system of claim 10 wherein the content agent dynamically generates sets of content from a database.

13. (Previously Presented) The system of claim 10 further comprising:

a cache, wherein the cache maintains a copy of previously transmitted documents as cached documents, previously selected stylesheets as cached stylesheets, and previously requested content as cached content.

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14. (Previously Presented) The system of claim 13, wherein the cache selectively provides a cached document to the transmission agent if the cached document corresponds to the at least one capability associated with the client and the at least one element of content.
15. (Canceled).
16. (Previously Presented) The system of claim 10, wherein the at least one capability associated with a requesting client is a browser type and a browser version.
17. (Previously Presented) The system of claim 10, wherein the at least one capability associated with a requesting client is a supported language capability that identifies the objects, methods and properties that the client can use.
18. (Canceled).
19. (Canceled).
20. (Currently Amended) The system of claim 10 ~~[[19]]~~, wherein the physical properties associated with the output device comprise a screen size, a screen resolution capability, and a screen color capability.
21. (Previously Presented) The system of claim 1, wherein the physical properties associated with the output device comprise a screen size, a screen resolution capability, and a screen color capability.